

Moxi™ 20

312 BTE canal receiver technology (CRT)

Signature features

20 channels

Next generation automatic with SmartFocus

Clients can experience superior automatic performance with the optimal blend of 3 listening environments plus a unique specialized treatment of music. In addition, the integration of SmartFocus™ further improves speech understanding in noise or provides optimal comfort automatically

Natural Sound Balance

An adaptive feature to minimize artifacts that can occur when amplified sound combines in the ear canal with direct sound. Natural Sound Balance continuously monitors these sounds and makes precision adjustments to preserve a clear, balanced signal

Automatic Adaptation Manager

Allows for an automatic and smooth adjustment period for the client; providing the best possible first fit acceptance combined with maximum long-term benefit for speech understanding

Pinna Effect

This feature uses sophisticated calculations to recreate natural directionality

Next generation feedback manager

Harnessing the power of Unitron's new Era™ platform, the next generation feedback manager offers maximum usable gain by suppressing feedback transients before they become audible

Self learning and LearnNow

Capable of learning client preferences for SmartFocus and volume control in all programs. Clients are able to accelerate the learning by using the LearnNow feature

Wireless technology

Binaural Phone – streams audio to the non-phone ear, allowing for binaural hearing while using a phone

DuoLink – program, volume and SmartFocus adjustments conducted on one hearing instrument are automatically transferred to the other ear

uDirect (optional) – wireless interface between hearing instruments and Bluetooth® enabled devices (eg. cell phones)

uTV™ (optional) – streams audio from a TV or audio source to the uDirect

Remote controls (optional)

Choice of remote controls for essential or fully featured functionality;

- Unitron remote control
- Smart Control

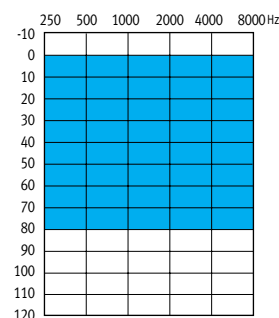
Smart Alert System (optional)

A unique solution that provides awareness of household alerts

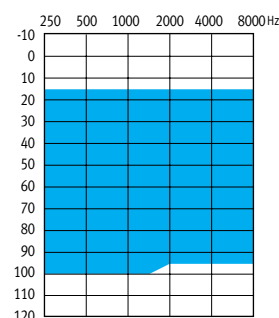
Additional features

- Multiband adaptive directional microphone
- Telecoil
- 3 manual + 3 wireless streaming programs
- AntiShock™
- MyMusic™
- Wind noise manager
- Speech enhancement LD
- Noise reduction
- Data logging
- Easy-t
- DAI through uDirect
- Optional wireless programming with iCube

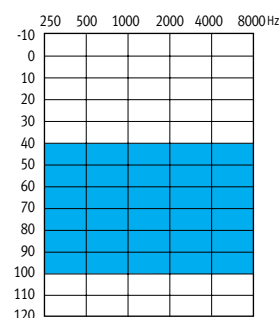
Fitting guides



Moxi 20 (xS)



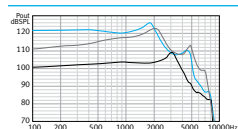
Moxi 20 power (xP)



Moxi 20 super power (xSP)

Moxi 20 is suitable for fitting mild to severe hearing losses and can fit audiogram configurations ranging from reverse to precipitously sloping.

ANSI 3.22 2003/IEC 118-7 2CC COUPLER TECHNICAL DATA



Reference test frequency - IEC 118-7 (kHz)

1.6

1.6

1.6

OSPL90

Maximum (dB SPL)

112

126

129

Nominal (dB SPL)

109

123

126

ANSI HFA (dB SPL)

105

118

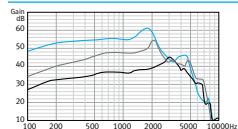
120

at RTF (dB SPL)

104

120

124



Full on gain (input 50 dB SPL)

Maximum (dB)

45

55

61

ANSI HFA (dB)

39

48

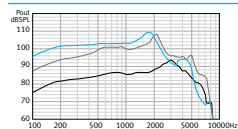
55

at RTF (dB)

38

49

60



Basic frequency response (ANSI 2003)

Frequency range (Hz)

<100-8300

<100-7300

<100-5500

HFA reference test gain (dB)

28

41

43

Current drain at RTG (mA)

1.15

1.25

1.2

Typical battery life (h)

141

130

135

Equivalent input noise at RTG (dB SPL)

19

18

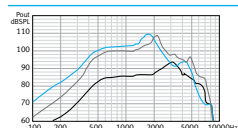
19

Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)

1.0/1.0/1.0

1.5/1.0/0.5

0.5/0.5/0.5



Induction coil sensitivity (ANSI 2003, 31.6 mA/m)

HFA SPLITS/STS-RSETS (dB SPL/dB)

88/0

101/0

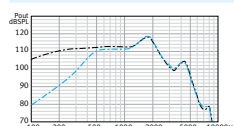
103/0

EMC immunity by ANSI c63.19-2001 EMC, omni/telecoil

M4/T4

M4/T4

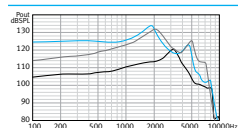
M4/T4



Moxi xSP: mic at 70 dB SPL vs induction coil at 100 mA/m

— Mic
— Induction coil

IEC 118-0 OES COUPLER TECHNICAL DATA



Reference test frequency - IEC 118-0 (kHz)

1.6

1.6

1.6

OSPL90

Maximum (dB SPL)

121

132

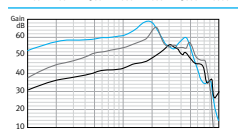
133

at RTF (dB SPL)

113

129

132



Full on gain (input 50 dB SPL)

Maximum (dB)

56

65

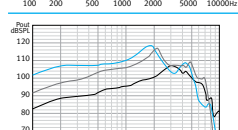
69

at RTF (dB)

46

58

68



Basic frequency response

Frequency range (DIN 45605) (Hz)

<100-8600

<100-7500

<100-5800

Reference test gain (dB)

39

51

57

Current drain at RTG (mA)

1.15

1.2

1.2

Typical battery life (h)

141

135

135

Equivalent input noise at RTG (dB SPL)

19

18

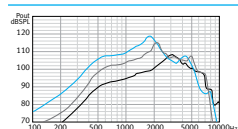
19

Total harmonic distortion at 500 Hz/800 Hz/1600 Hz (%)

1.0/1.5/1.5

1.5/1.5/1.0

1.0/1.0/0.5



Induction coil sensitivity

at RTF (graph shown for 31.6 mA/m at RTG) (dB SPL)

99

109

117

EMC immunity by IEC 60118-13, field strength 75/50 V/m, omni
IRIL low/high band (dB SPL)

42/46

42/46

42/46

Legend

— Moxi 20 xS
— Moxi 20 xP
— Moxi 20 xSP

TEST CONDITIONS

Battery size: 312; Source: voltage 1.3 V;

The measurements obtained with a closed configuration using an HA-1 coupler (ANSI-3.7-1995) or occluded ear simulator (EN 60711, coupling arrangement according to fig. 4 in the test standard). The hearing instrument set to linear, omni mode with all adaptive features disabled.

Domes should never be fit on patients with perforated eardrums, exposed middle ear cavities, or surgically altered ear canals. In the case of such a condition, we recommend use of a customized earmold.

Sound pressure level of these hearing aids exceeds 132 dB SPL.

We reserve the right to change specification data without notice as improvements are introduced.